

# SCIENCE

# And Technology Program



Theme Area: Environmental Resources

Program Area: Fisheries Applications - WRRL

Project No.: ER00.07

Project Title: Fish Screens – Tracy Fish Collection Facilities

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**Abstract:** Improved technology and continuing advancement of the state-of-the-art in fish protection will be achieved through laboratory and field investigations. Both hydraulic engineering and fisheries biology expertise will be combined to identify and enhance effective attributes of current fish protection technology. In addition, an improved understanding of fish louver hydraulics and fishery response to various conditions will be obtained and applied in the development of new technologies for exclusion of fish from diversion flows related to the Tracy Fish Collection Facilities, Tracy, California. This approach is intended to produce design criteria, performance data, and louver implementation guidelines, which all are vital in assisting project managers, designers, water users, and the resource agencies in the effective protection of the fishery resource. This work will be closely tied with design development related to the proposed Tracy Experimental Fish Facilities.

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